

**METHOD FOR COMPUTING MODELS BASED ON  
ATTRIBUTES SELECTED BY ENTROPY  
ABSTRACT OF THE DISCLOSURE**

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Attributes of a data set to be employed in generating a  
predictive model are analyzed based on entropy, chi-square,  
or similar statistical measure. A target group of samples  
exhibiting one or more desired attributes is identified,  
then remaining attribute values for the target group are  
compared to corresponding attribute values for the whole  
10 sample population. A subset of all available attributes is  
then selected from those attributes which exhibit, when  
comparing attribute values of target group samples to  
attribute values for the whole sample population, the  
greatest relative difference or divergence. That is, an  
15 attribute for which the target group samples exhibit, for  
example, only two of all possible values is selected in  
preference to an attribute for which the target group  
samples exhibit three or more of the possible values. This  
subset is employed to generate the predictive model.  
Efficiency in generating the predictive model is improved,  
20 since fewer attributes are employed and less computational  
resources are required. Accuracy of the resulting  
predictive model is also improved since attributes  
potentially skewing the sample population in a manner least  
25 related to the desired attribute are eliminated from  
consideration in developing the model.